

Mini-Project 1 - Analysis of inventions

Project description

In your working group, discuss known to you and most suitable (in your opinion) examples of inventions/discoveries related to accelerator science (or science in general) looking at them via a prism of TRIZ, trying to identify the contradictions and the principles that helped (could have helped) solving the contradiction and making an invention.

Discuss several such examples. Use standard TRIZ tables (principles and contradiction tables – provided as a separate file) as well as emerging Accelerator Science TRIZ (described in lectures and provided in a separate file) to discuss and analyse the inventions.

Possibly, suggest new principles for Accelerator Science TRIZ.

Prepare a brief summary (can be hand-written, about a page long) summary of your discussion.

Assign representative(s) from your Working Group for oral presentation of the summary.

Make ~10min presentation of the summary of your discussion.

Submit the written summary of your discussion.

Expected duration of the project work: 2hrs